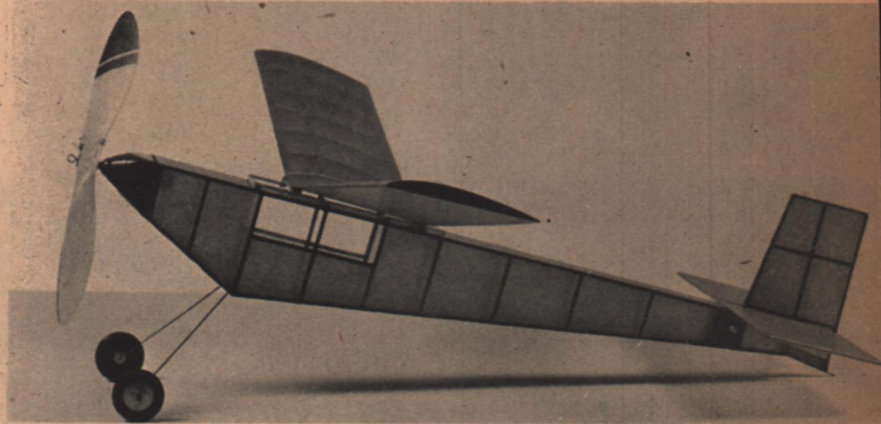


If you're one of the many modellers that likes to fly for the fun of it, here's a model that can give many happy moments.

SQUARE BIRD



No need to carve a propeller. You can use one of the many plastic props which are available, or a pre-carved Paulownia prop.

by Sherman Gillespie

● The "Square Bird" is a simple, inexpensive model with remarkable flying ability. It can turn in flights of from 40 to 50 seconds handwound in cool morning air. In thermal conditions it is capable of going o.o.s. Highest times clocked in warm air were a fine 3:32 and a tremendous 5:57!

Construction is easy but use care to keep the weight down. The finished ship, ready to fly, should weigh approximately .8 oz.

Study the full-size plans, photos, construction notes, and Bill of Materials thoroughly before setting to work. Make a tracing of the plans or remove the pages and join at center line—AA-BB. Cover plans with wax paper to protect from cement.

FUSELAGE: Select straight-grained, hard 1/16" square balsa for the fuselage. Build the fuselage sides separately. Allow ample drying time. Trim excess cement away before assembly of the sides.

Set the sides up over the top view, pinning and blocking carefully to assure accuracy. Put in the required cross-pieces and check for squareness. Square fuselage construc-

tion is essential for easy, proper alignment of wing and tail surfaces.

Cut the nose to block from medium-hard 1/2" balsa stock. Drill the 3/8" diameter hole in the block to receive the nose plug shaft.

Do not put on the wing mount until the fuselage is covered.

Form the landing gear from 1/32" diameter wire and cement it securely in place. Slip on the 1" diameter wheels. Wheels may be used as received, but a bushing of 1/16" aluminum or copper tubing will give a truer-rolling wheel. A drop of cement on the axle ends will hold the wheels in place.

TAIL SURFACES: Build the stabilizer and rudder frames from 1/16" square balsa. Sand the selected wood before cutting the pieces to size. Use plenty of cement to give strength yet lightness.

WING: The wing is built in left and right panels. Pin the
(Please turn to page 30)

